

LITHOLOGIC DESCRIPTION OF SAMPLES SUBMITTED FOR ASSAY^{1/}

Core samples from Savage Oil Shale Development Company's Avery corehole,
drilled 4000 feet S. 25° E. from NW corner of sec. 23, T. 4 S.,
R. 98 W., Garfield County, Colo.

Surface elevation 8140 feet

From	To	Description
0	20	No recovery.
20	26	Sandstone, tan and light gray, fine- to medium-grained, massive to poorly bedded. 1.4 feet missing between 20 and 26 feet.
26	28	As above. 0.15 foot missing.
28	34.5	As above. 0.6 foot missing.
34.5	66.4	Sandstone, tan to light gray, silty, massive, rare carbonaceous material. 2.38 feet missing from interval.
66.4	97.0	Siltstone, tan to light gray, sandy in part, poorly defined bedding. 24 feet missing due to cavity and wash-out.
97.0	114.5	Siltstone, tan to gray, poor to well defined bedding, calcareous, 0.25 foot missing at 107.5 feet, 1.1-foot cavity at 114.5 feet.
114.5	141.5	Siltstone, as above, sandy in part. 0.4 foot missing at 140.0 feet.
141.5	177.0	Siltstone, tan to gray and dark gray, calcareous in part, poor to well defined bedding. Common pyrite blebs.
177.0	181.0	Sandstone, light gray, silty, fine-grained, massive to poorly defined bedding.
181.0	184.0	Siltstone, light gray, poorly defined bedding.
184.0	186.5	Sandstone, light gray, very fine-grained, rare siltstone, poorly defined bedding.
186.5	206.5	Siltstone, light gray, poorly defined bedding to massive. 0.82 foot lost at 204.5 feet.
206.5	216.5	Marlstone, tan to light gray, poor to well defined bedding.
216.5	234.0	Siltstone, light gray, well defined bedding. Rare sandy streaks.
234.0	242.5	Siltstone, light gray, poor to well defined bedding. Common streaks of sandstone. 1.42 feet missing at 240 feet. Rare pyrite.
242.5	249.5	Sandstone, gray, fine grained, massive, silty in part. Rare carbonaceous partings.
249.5	258.5	Siltstone, light gray, massive to poorly defined bedding. Abundant sandstone stringers and lenses. 1.66 feet missing at 258.5 feet.
258.5	270.0	Siltstone, gray, massive to poorly defined bedding. Rare thin coarse-grained sandstone lenses. Abundant pyrite flakes.

^{1/} By B. L. Short.

Illustration No. SBR-3244P

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Core samples from Savage Oil Shale Development Company's Avery corehole,
drilled 4000 feet S. 25° E. from NW corner of sec. 23, T. 4 S.,
R. 98 W., Garfield County, Colo. (Con.)

Surface elevation 8140 feet

From	To	Description
270.0	279.5	Siltstone, gray, massive, poorly defined bedding. Rare sandy lenses and common pyrite flakes, 0.64 foot missing at 279.5 feet.
279.5	299.2	Siltstone, tan to brown, poor to well defined bedding. Rare sandstone streaks.
299.2	322.5	Siltstone, gray, massive, abundant zones of medium-grained gray sandstone.
322.5	337	Sandstone, light gray, medium-grained, massive.
337	340	Siltstone, tan and gray, poorly defined and contorted bedding. 1.08 feet missing between 320 and 340 feet.
340	342	Siltstone, as above.
342	364.4	Sandstone, light gray, fine-grained to silty, massive, carbonaceous. 1.22 feet missing between 340 and 360 feet.
364.4	365.3	Marlstone, light gray and light brown, massive to well defined bedding.
365.3	365.6	Oil shale, medium, dark gray, massive.
365.6	368.5	Marlstone, tan and light gray, well defined bedding.
368.5	370.0	Siltstone, tan and light gray, poorly defined to well defined bedding. 0.24 foot missing between 360 and 370 feet.
370.0	382	Siltstone, as above. 0.84 foot missing.
382	400	Siltstone, as above. 1.30 foot missing.
400	410	Siltstone, as above.
410	411.6	Marlstone, tan and light brown, massive to well defined bedding.
411.6	416.0	Siltstone, light gray, massive, carbonaceous, 1.1 feet missing between 400 and 416 feet.
416.0	433.5	Siltstone, light gray and tan, massive to poorly defined bedding, sandy in part.
433.5	437.5	Marlstone, tan and light brown, massive to well defined bedding. Grades into bands of lean oil shale.
437.5	440	Siltstone, light gray, massive to thinly-bedded.
440	447.5	Missing.
447.5	463.5	Siltstone, tan and light gray, massive to thinly-bedded, carbonaceous.
463.5	468	Sandstone, light gray, fine- to medium-grained, massive.
468	474	Siltstone, tan and light gray, massive, sandy in part. Rare stringers of bedded marlstone.
474		Total depth.

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